

**APPENDIX A – TEST DATA OF CONDUCTED EMISSION**

**LTE Band 5**

**1 RF Power Output**

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	824.7	20407	1.4	1	0	23.11
				1	5	22.84
				3	2	22.00
				6	0	22.05
	836.5	20525		1	0	22.94
				1	5	23.02
				3	2	22.03
				6	0	22.03
	848.3	20643		1	0	23.23
				1	5	22.83
				3	2	21.88
				6	0	21.91
16QAM	824.7	20407	1.4	1	0	21.16
				1	5	21.21
				3	2	20.80
				6	0	21.01
	836.5	20525		1	0	21.72
				1	5	21.89
				3	2	20.89
				6	0	20.77
	848.3	20643		1	0	21.46
				1	5	21.42
				3	2	20.86
				6	0	21.12
64QAM	824.7	20407	1.4	1	0	21.56
				1	5	21.26
				3	2	20.92
				6	0	20.75
	836.5	20525		1	0	21.36
				1	5	21.16
				3	2	20.98
				6	0	20.86
	848.3	20643		1	0	21.41
				1	5	21.24
				3	2	20.91
				6	0	20.77

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	825.5	20415	3	1	0	23.09
				1	14	22.92
				8	4	22.12
				15	0	21.93
	836.5	20525		1	0	22.95
				1	14	22.83
				8	4	22.07
				15	0	22.13
	847.5	20635		1	0	23.15
				1	14	22.82
				8	4	21.89
				15	0	21.91
16QAM	825.5	20415	3	1	0	21.05
				1	14	21.07
				8	4	20.93
				15	0	20.99
	836.5	20525		1	0	21.63
				1	14	21.65
				8	4	21.02
				15	0	20.77
	847.5	20635		1	0	21.30
				1	14	21.41
				8	4	20.95
				15	0	21.12
64QAM	825.5	20415	3	1	0	21.48
				1	14	21.21
				8	4	21.03
				15	0	20.84
	836.5	20525		1	0	21.20
				1	14	20.98
				8	4	21.00
				15	0	21.06
	847.5	20635		1	0	21.46
				1	14	21.22
				8	4	21.12
				15	0	20.96

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	826.5	20425	5	1	0	23.00
				1	24	22.84
				12	6	22.05
				25	0	21.95
	836.5	20525		1	0	23.09
				1	24	23.03
				12	6	21.88
				25	0	21.91
	846.5	20625		1	0	23.21
				1	24	22.92
				12	6	21.95
				25	0	21.82
16QAM	826.5	20425	5	1	0	20.96
				1	24	21.25
				12	6	20.73
				25	0	20.84
	836.5	20525		1	0	21.76
				1	24	21.83
				12	6	20.92
				25	0	20.75
	846.5	20625		1	0	21.33
				1	24	21.32
				12	6	20.73
				25	0	20.92
64QAM	826.5	20425	5	1	0	21.58
				1	24	21.21
				12	6	21.00
				25	0	20.97
	836.5	20525		1	0	21.19
				1	24	21.06
				12	6	20.91
				25	0	20.89
	846.5	20625		1	0	21.45
				1	24	21.20
				12	6	21.02
				25	0	20.92

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)
QPSK	829	20450	10	1	0	23.24
				1	49	23.18
				24	12	22.28
				50	0	22.20
	836.5	20525		1	0	23.31
				1	49	23.18
				24	12	22.22
				50	0	22.28
	844	20600		1	0	23.40
				1	49	23.10
				24	12	22.21
				50	0	22.15
16QAM	829	20450	10	1	0	21.29
				1	49	21.42
				24	12	21.08
				50	0	21.17
	836.5	20525		1	0	22.00
				1	49	22.02
				24	12	21.28
				50	0	21.12
	844	20600		1	0	21.64
				1	49	21.55
				24	12	21.12
				50	0	21.26
64QAM	829	20450	10	1	0	21.71
				1	49	21.52
				24	12	21.28
				50	0	21.11
	836.5	20525		1	0	21.48
				1	49	21.35
				24	12	21.26
				50	0	21.22
	844	20600		1	0	21.73
				1	49	21.47
				24	12	21.23
				50	0	21.10

**2 Occupied Bandwidth**  
Test result

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of 99% Power (MHz)					
						QPSK		16-QAM		64-QAM	
5	824.7	20407	1.4	6	0	1.0772	Fig.1	1.0775	Fig.2	1.0784	Fig.3
	836.5	20525		6	0	1.0760	Fig.4	1.0755	Fig.5	1.0764	Fig.6
	848.3	20643		6	0	1.0745	Fig.7	1.0769	Fig.8	1.0788	Fig.9
	825.5	20415	3	15	0	2.6845	Fig.10	2.6877	Fig.11	2.6824	Fig.12
	836.5	20525		15	0	2.6941	Fig.13	2.6808	Fig.14	2.6844	Fig.15
	847.5	20635		15	0	2.6828	Fig.16	2.6870	Fig.17	2.6905	Fig.18
	826.5	20425	5	25	0	4.4709	Fig.19	4.4554	Fig.20	4.4649	Fig.21
	836.5	20525		25	0	4.4645	Fig.22	4.4667	Fig.23	4.4653	Fig.24
	846.5	20625		25	0	4.4582	Fig.25	4.4653	Fig.26	4.4631	Fig.27
	829	20450	10	50	0	8.8963	Fig.28	8.9202	Fig.29	8.9107	Fig.30
	836.5	20525		50	0	8.9035	Fig.31	8.8873	Fig.32	8.8939	Fig.33
844	20600	50		0	8.8962	Fig.34	8.9120	Fig.35	8.8968	Fig.36	

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	Bandwidth of -26dB transmitter power (MHz)					
						QPSK		16-QAM		64-QAM	
5	824.7	20407	1.4	6	0	1.245	Fig.1	1.232	Fig.2	1.221	Fig.3
	836.5	20525		6	0	1.224	Fig.4	1.234	Fig.5	1.230	Fig.6
	848.3	20643		6	0	1.240	Fig.7	1.223	Fig.8	1.227	Fig.9
	825.5	20415	3	15	0	2.902	Fig.10	2.873	Fig.11	2.854	Fig.12
	836.5	20525		15	0	2.851	Fig.13	2.871	Fig.14	2.843	Fig.15
	847.5	20635		15	0	2.863	Fig.16	2.862	Fig.17	2.913	Fig.18
	826.5	20425	5	25	0	4.683	Fig.19	4.692	Fig.20	4.745	Fig.21
	836.5	20525		25	0	4.728	Fig.22	4.707	Fig.23	4.727	Fig.24
	846.5	20625		25	0	4.682	Fig.25	4.683	Fig.26	4.748	Fig.27
	829	20450	10	50	0	9.293	Fig.28	9.305	Fig.29	9.357	Fig.30
	836.5	20525		50	0	9.383	Fig.31	9.425	Fig.32	9.289	Fig.33
844	20600	50		0	9.327	Fig.34	9.344	Fig.35	9.308	Fig.36	

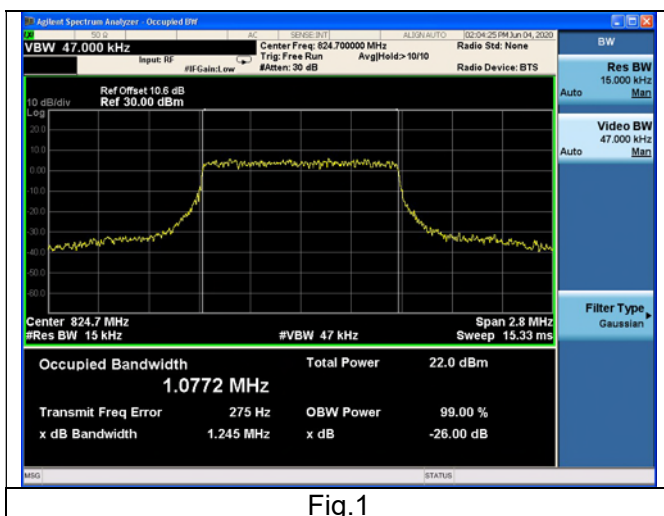


Fig.1



Fig.2

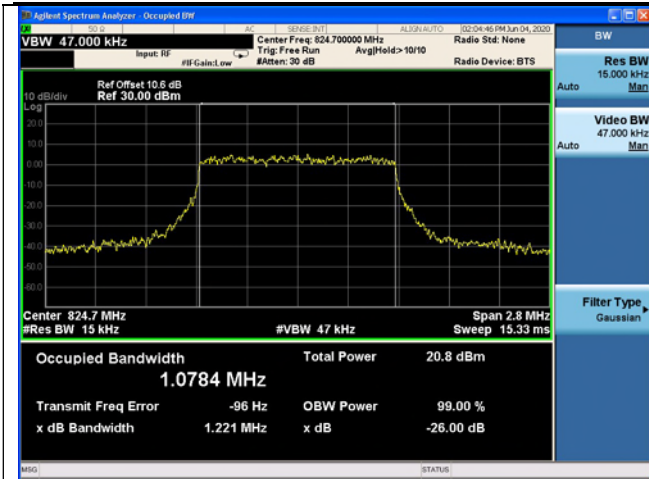


Fig.3



Fig.4

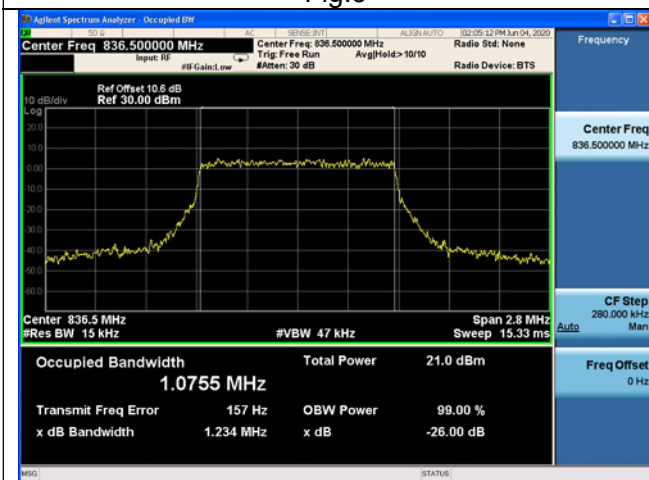


Fig.5

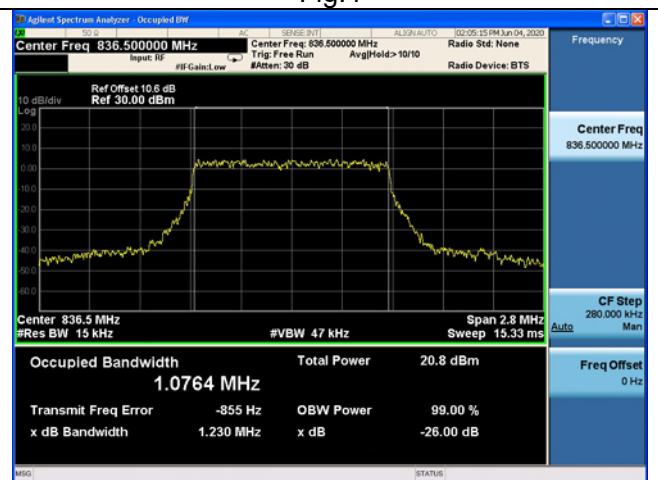


Fig.6

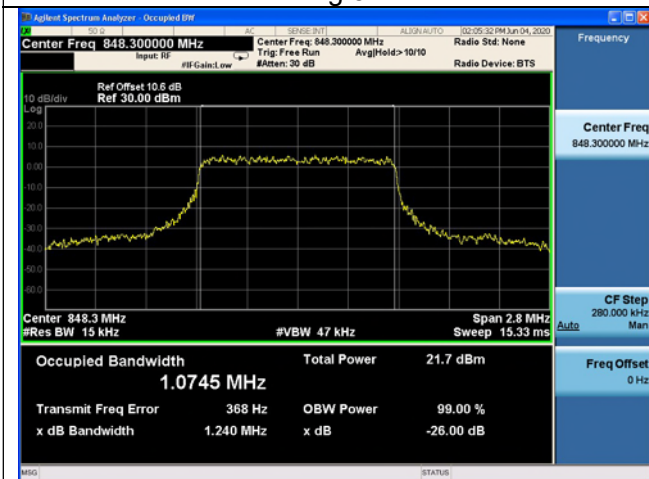


Fig.7

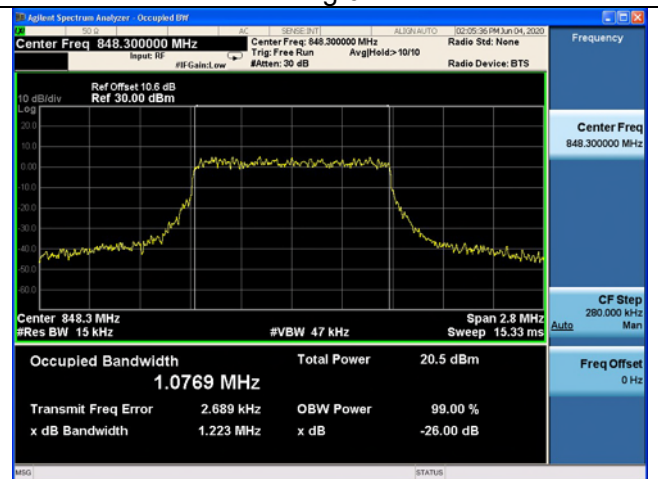


Fig.8

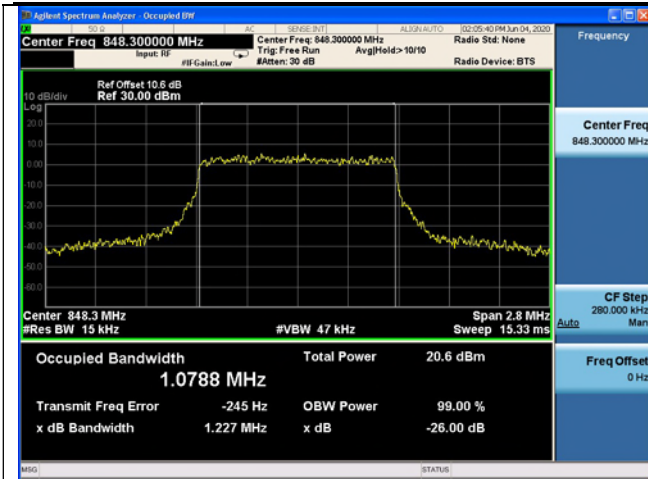


Fig.9

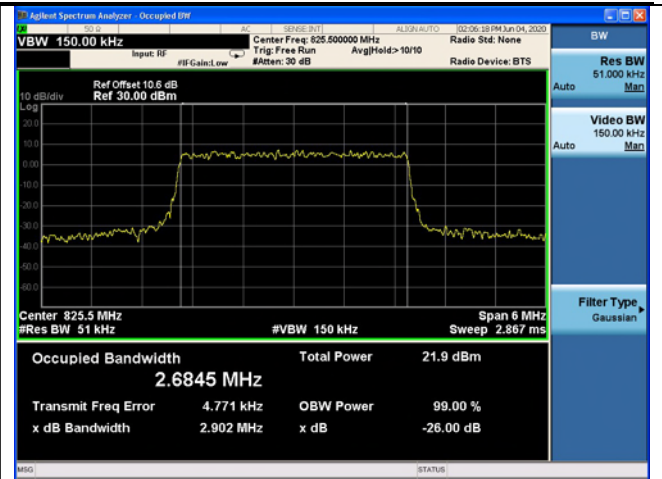


Fig.10

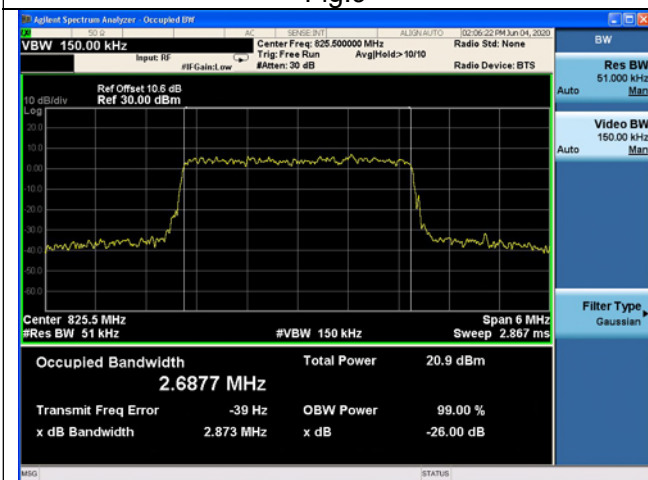


Fig.11

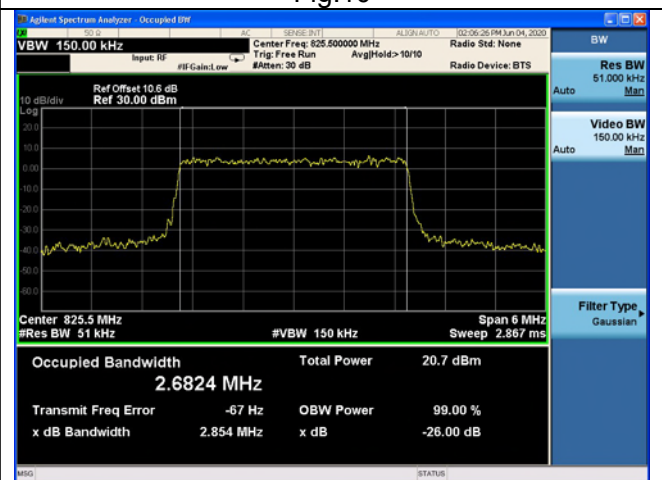


Fig.12

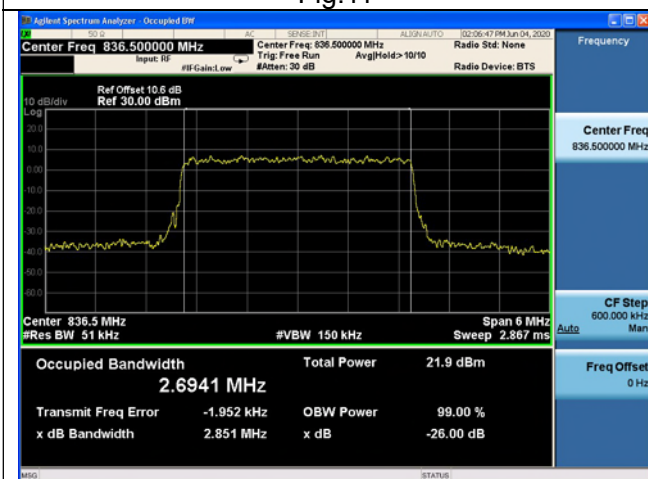


Fig.13

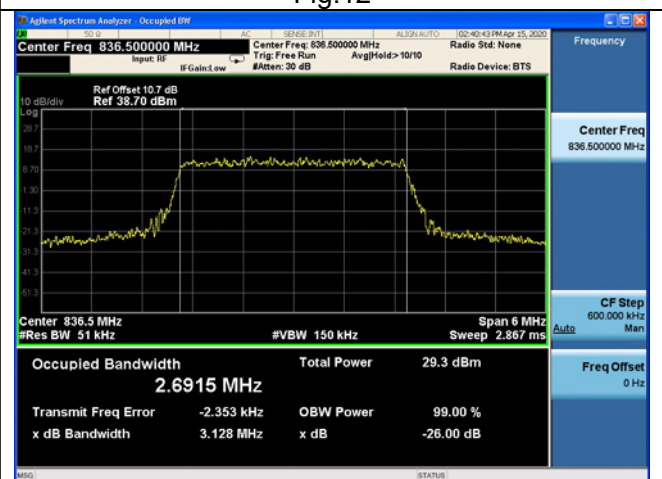


Fig.14

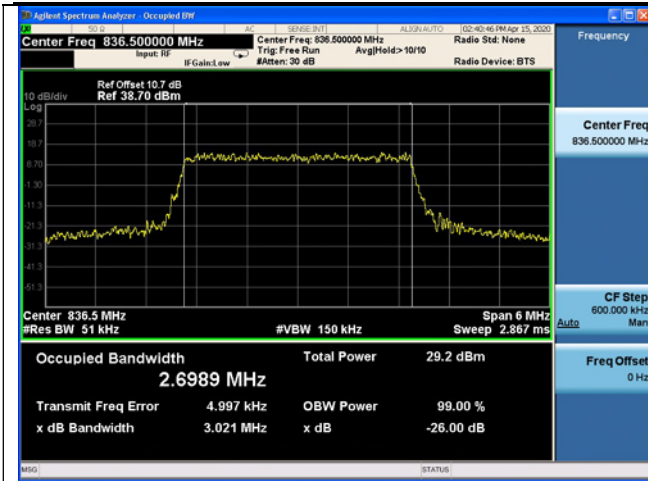


Fig.15

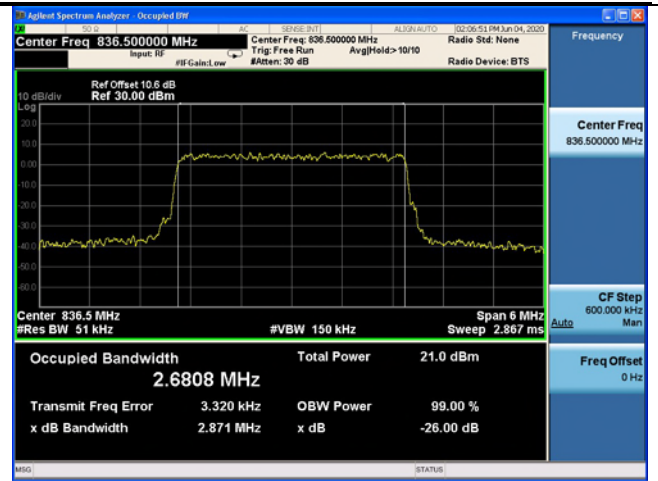


Fig.16

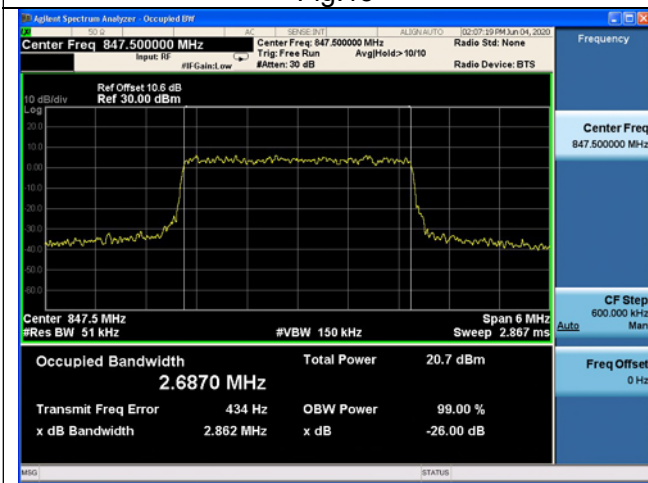


Fig.17

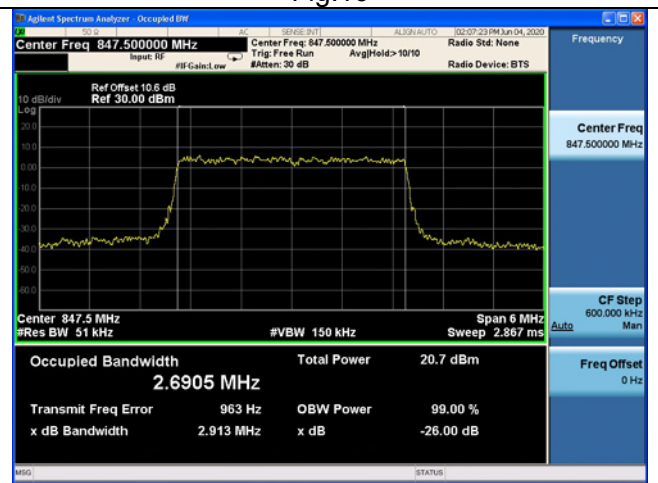


Fig.18

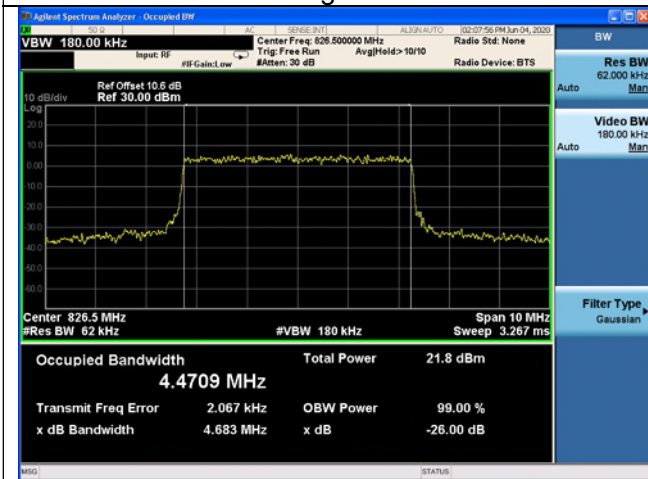


Fig.19

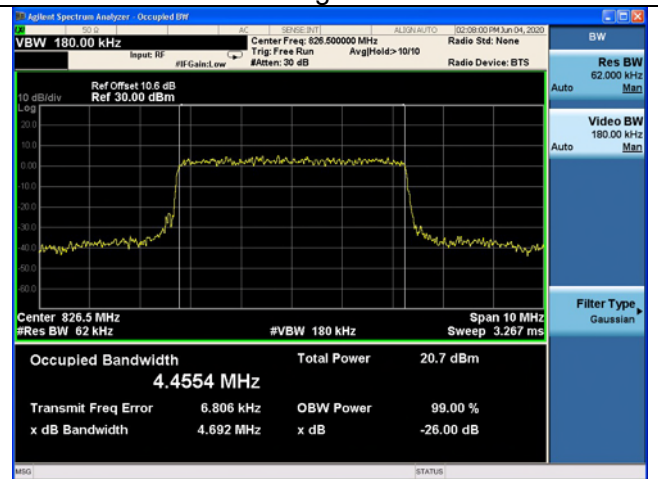


Fig.20



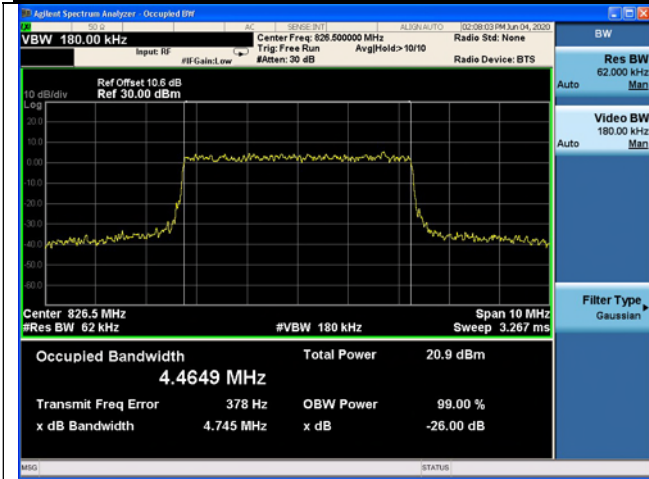


Fig.21

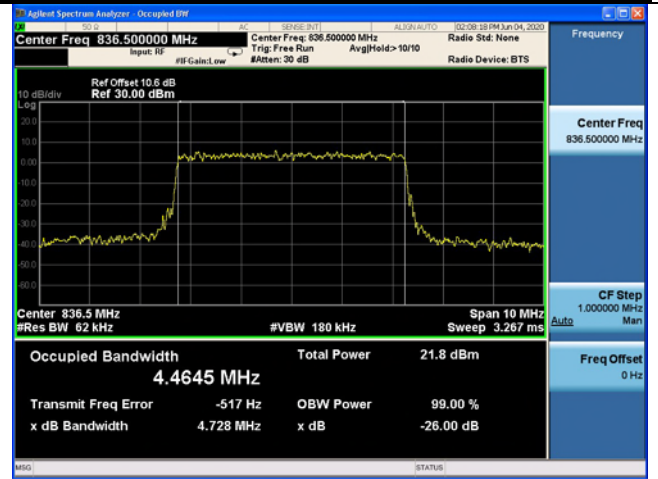


Fig.22

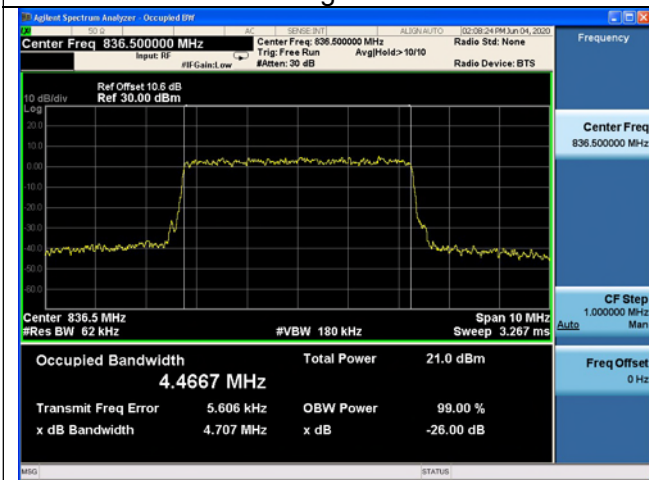


Fig.23

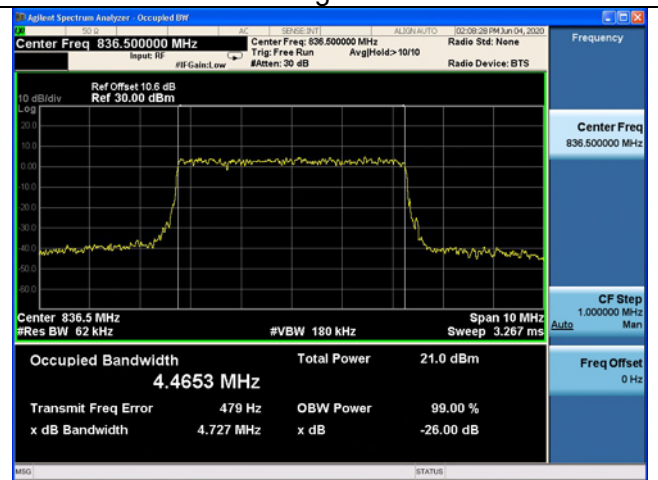


Fig.24

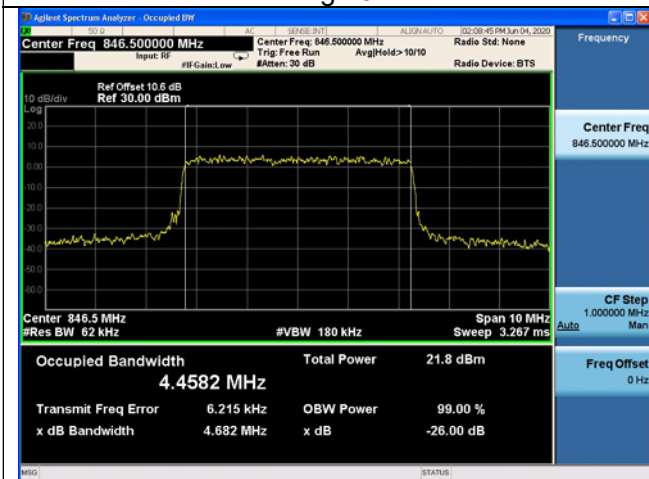


Fig.25

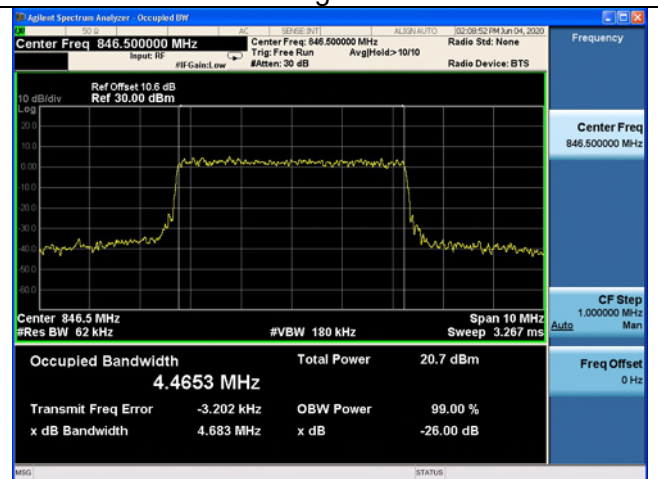


Fig.26

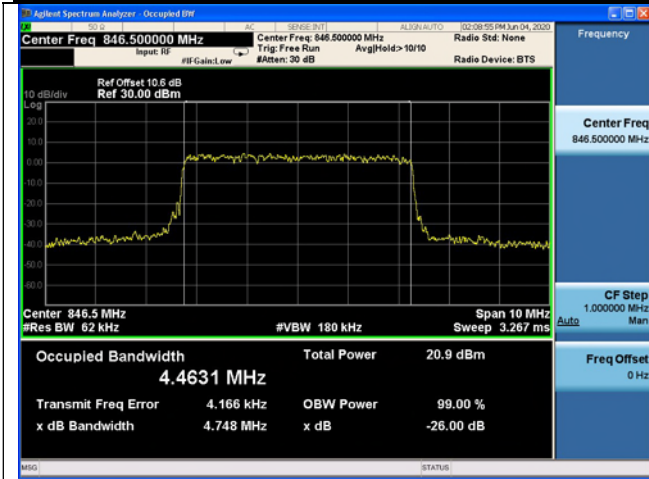


Fig.27



Fig.28

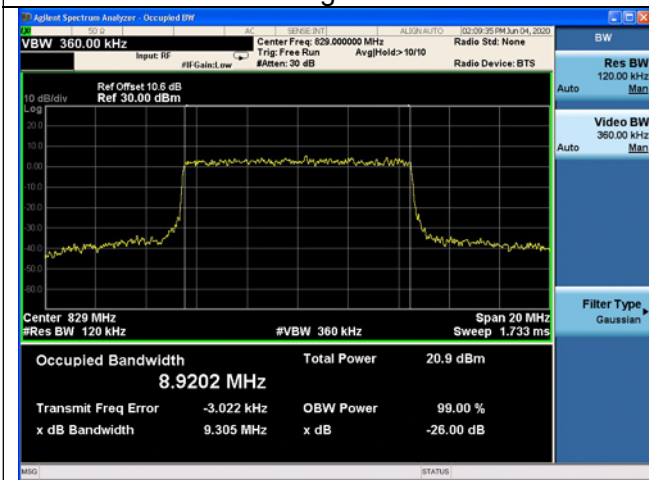


Fig.29

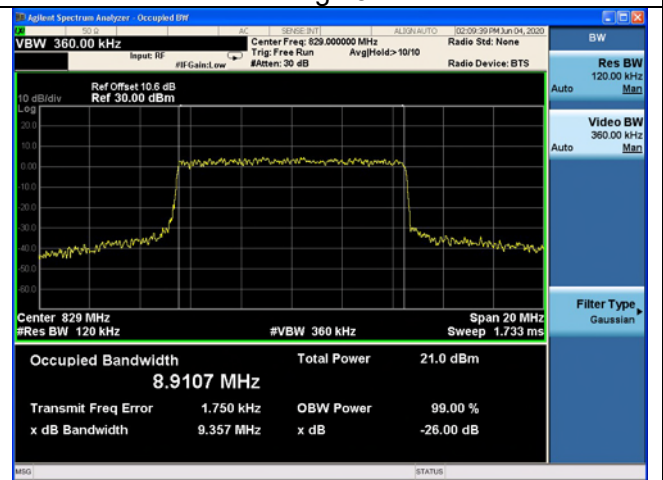


Fig.30

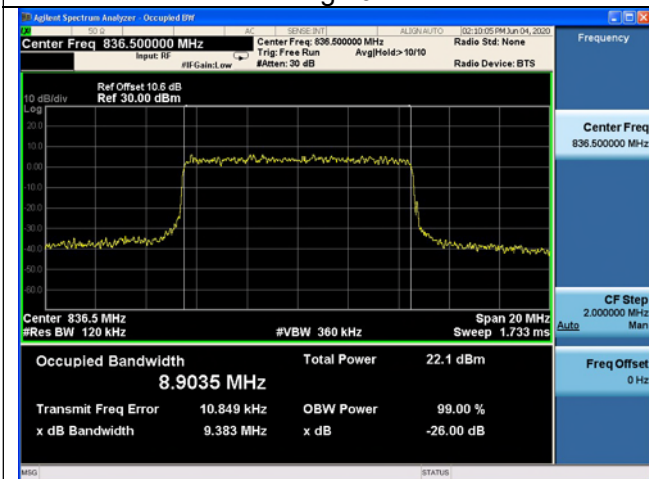


Fig.31

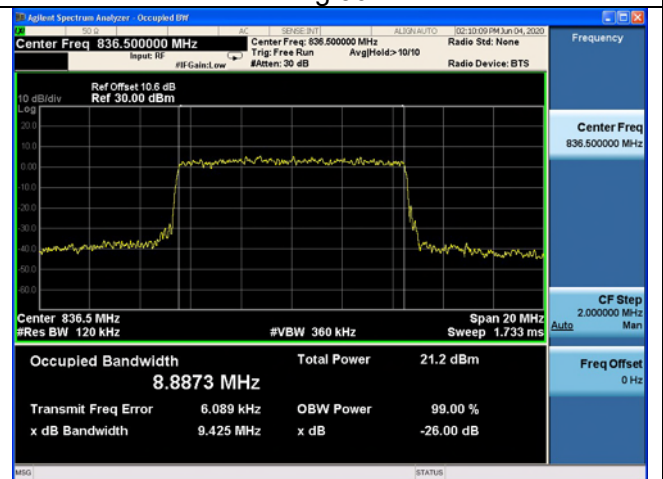


Fig.32

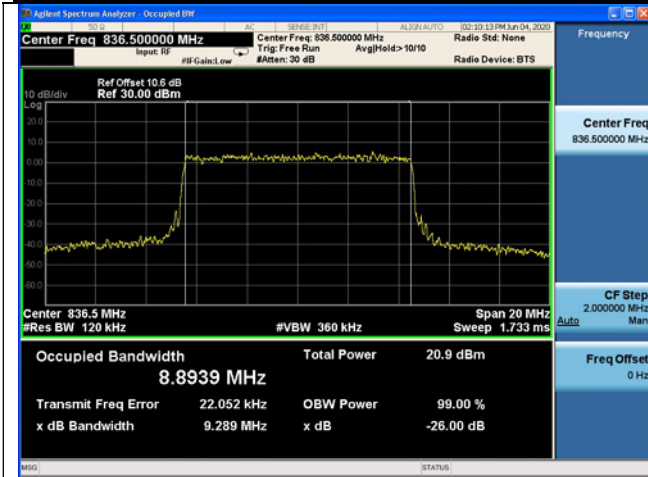


Fig.33

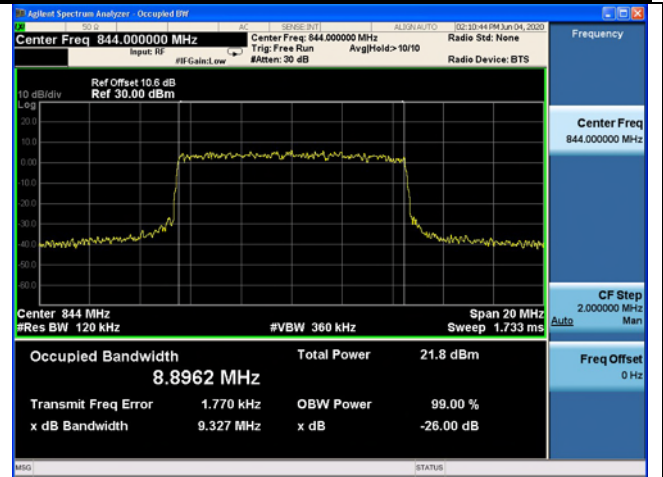


Fig.34

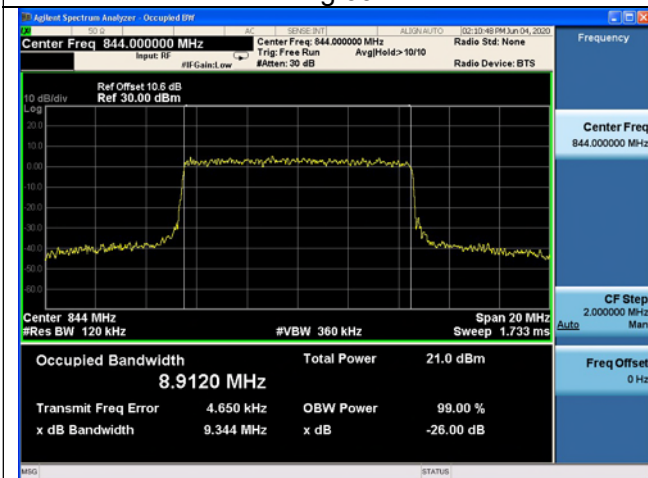


Fig.35

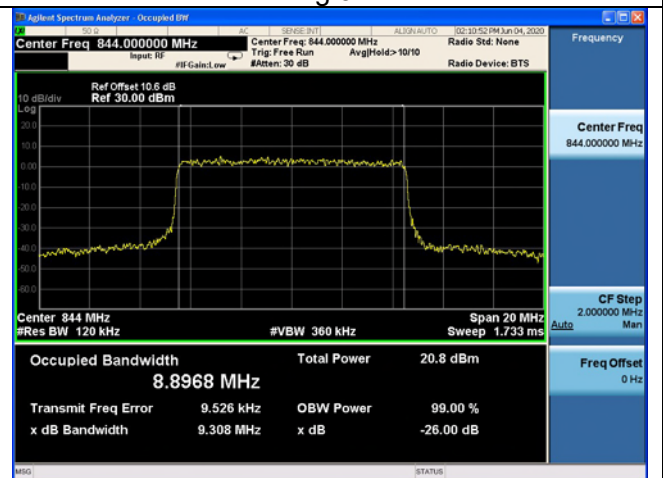


Fig.36

### 3 Peak-Average Ratio

Band	Carrier frequency (MHz)	Channel	BW (MHz)	RB Size	RB Offset	QPSK	16-QAM	64-QAM
5	836.5	20525	1.4	1	0	Fig.1	Fig.2	Fig.3
			3	1	0	Fig.4	Fig.5	Fig.6
			5	1	0	Fig.7	Fig.8	Fig.9
			10	1	0	Fig.10	Fig.11	Fig.12

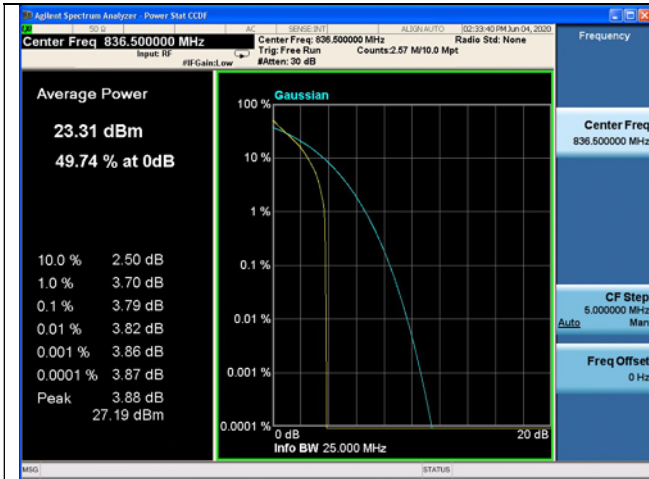


Fig.1

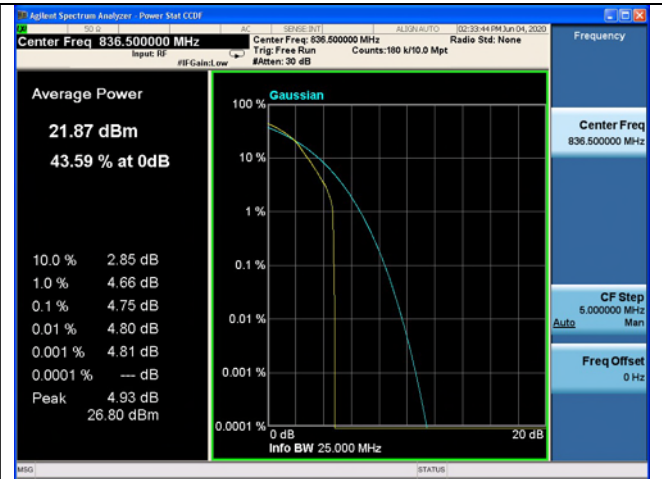


Fig.2

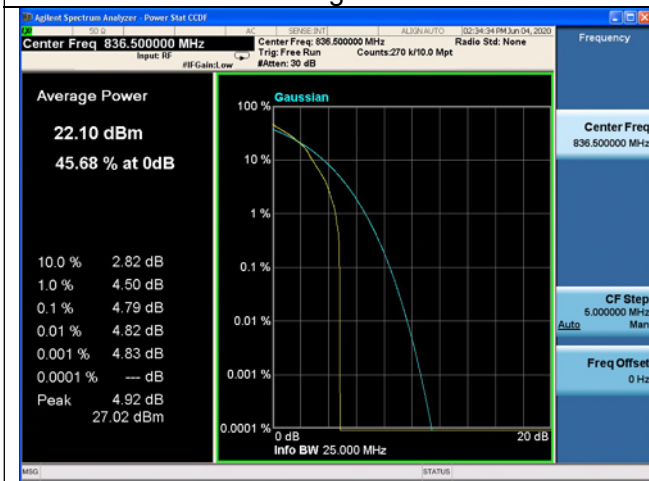


Fig.3

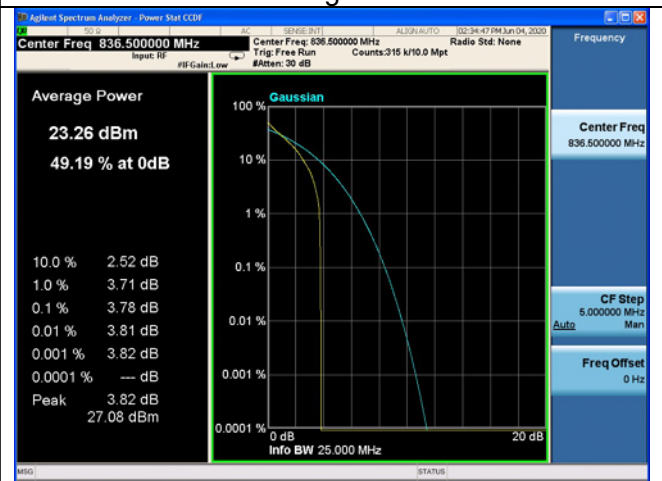


Fig.4

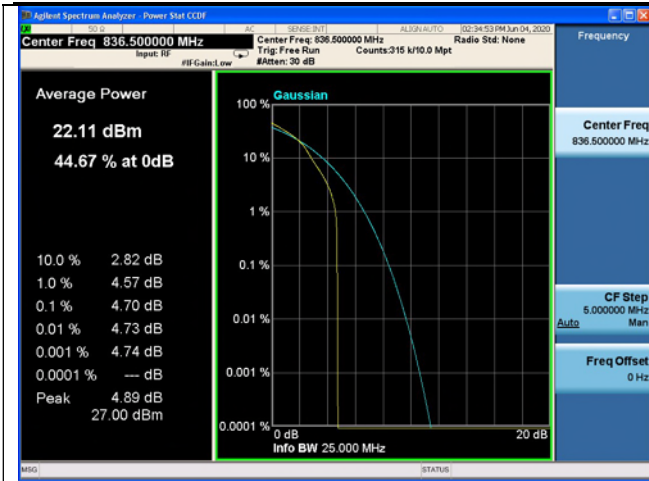


Fig.5

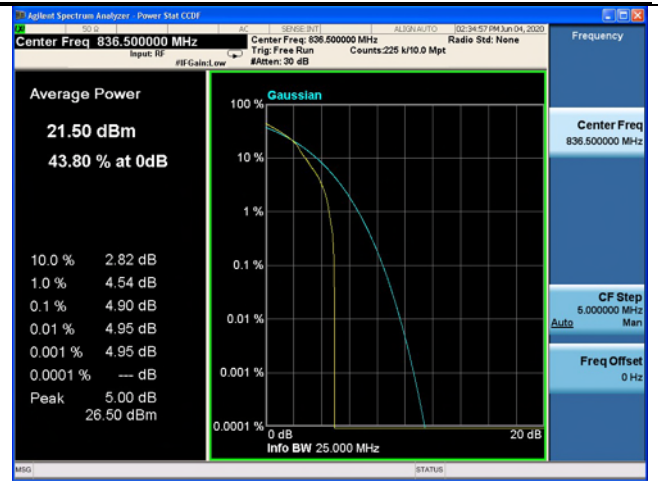


Fig.6

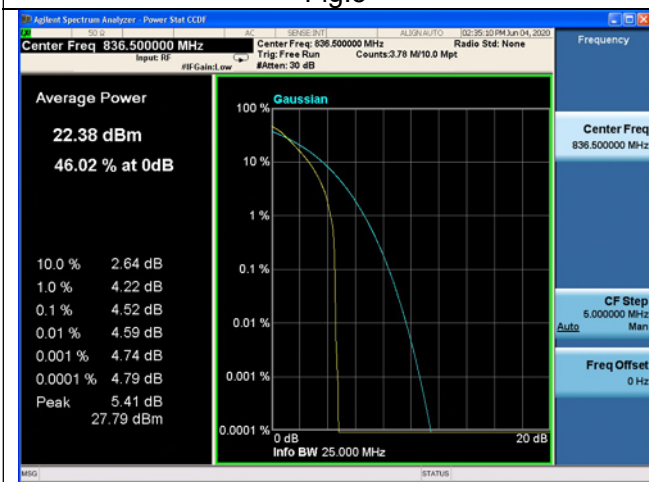


Fig.7



Fig.8

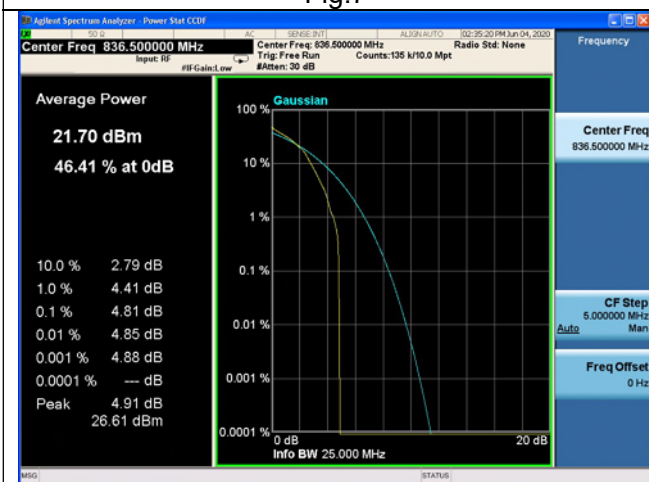


Fig.9



Fig.10